

FORM PTO-1449

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**INFORMATION DISCLOSURE STATEMENT
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Applicant: Morris et al.

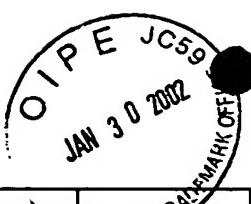
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	*1555398	09/1925	Brundert	-	-	
AB	*3426517	02/1969	Duncan	56	330	
AC	*3439482	04/1969	Orton	56	330	
AD	*3469383	09/1969	Manfre	56	327	
AE	*3473311	10/1969	Fox	56	330	
AF	*3474895	10/1969	Dauenhauer	198	135	
AG	*3507101	04/1970	Bernshausen	56	1	
AH	*3527304	09/1970	Wilde et al.	171	28	
AI	*3559386	02/1971	Popov et al.	56	331	
AJ	*3563016	02/1971	Tolochko et al.	56	331	
AK	*3601964	08/1971	Fisher et al.	56	330	
AL	*3613343	10/1971	Sagouspe et al.	56	330	
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AP	*3766724	10/1973	Paillou	56	331	
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AR	*3783595	01/1974	Tolochko et al.	56	331	
AS	*3866401	02/1975	Claxton et al.	56	330	
AT	*3889454	06/1975	Bruel	56	330	
AU	*3890774	06/1975	Bruel	56	330	
AV	*3890775	06/1975	Bruel	56	330	



Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
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AX	*3939629	02/1976	Bruel	56	330	
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AZ	*4016711	04/1977	Claxton	56	330	
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BB	*4085572	04/1978	Bruel	56	330	
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BH	*4291526	09/1981	Hiyama et al.	56	330	
BI	*4299081	11/1981	Harris et al.	56	330	
BJ	*4321786	03/1982	Burton	56	330	
BK	*4333266	06/1982	Babo	47	58	
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BN	*4601129	07/1986	Peev et al.	47	6	
BO	*4638705	01/1987	Michel	83	701	
BP	*4777787	10/1988	Warren	56	235	
BQ	*5101618	04/1992	Oldridge	56	330	
BR	*5339612	08/1994	Scott	56	330	
BS	*5355667	10/1994	Scott	56	330	
BT	*5423166	06/1995	Scott	56	330	
BU	*5544444	08/1996	Oldridge	47	4	
BV	*5970689	10/26/99	Hoffman et al.	56	6	5/5/98

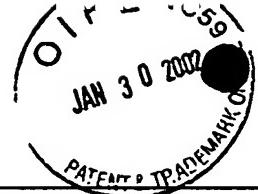


FOREIGN PATENT DOCUMENTS

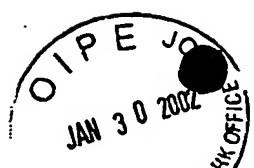
		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	BW						
	BX						
	BY						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

QJ	BZ	*Benedict, R.H., J.R. Morris, J.W. Fleming and D.R. McCaskill; Effects of Temperature on Quality of Mechanically Harvested Concord Grapes; pgs. ****; ****; Arkansas Farm Research Volume XXII, No. 1, January-February.
	CA	*Carnello, G. and L. Lisa.; Mechanical winter pruning of GDC training vineyards; pgs. 270-73; 1980; In:#UCS Grape and Wine Centennial Symposium Proc. Univ Calif, Davis.
	CB	*Cawthon, D.L. and J.R. Morris; Yield and Quality of 'Concord' Grapes as Affected by Pruning Severity, Nodes Per Bearing Unit, Training System, Shoot Positioning, and Sampling Date in Arkansas; pgs. 760-767; 1977; J. Amer. Soc. Hortic. Sci. 102(6), November.
	CC	*Cawthon, D.L., and J.R. Morris, Evaluating New Training and Pruning Systems for Increasing Yield of 'Concord' Grapes; pg. 6; ****; Arkansas Farm Research.
	CD	*Childers, Norman F. and Justin R. Morris and G. Steven Sibbett; Grape Growing; Modern Fruit Science; Chapter XX, pgs. 463-505; 1995; J.B. Lippincott Co., Chicago
	CE	*Christensen, L.P., A.N. Kasimatis, J.J. Kissler, F. Jensen, and D.A. Luisi.; Mechanical harvesting of grapes for the winery; pgs. -all-; 1973; Calif. Agr. Ext. Bul. AXT-403.
	CF	*Clingeleffer, P.R. and J.V. Possingham; The role of minimal pruning of cordon-trained vines (MPCT) in canopy management and its adoption in Australian viticulture; 280:7-11; 1988; Aust. Grapegrower and Winemaker.
	CG	*Clingeleffer, P.R.; Update: Minimal pruning of cordon trained vines (MCPT); pgs. 304:78-83; 1989; Aust. Grapegrower and Winemaker.
	CH	*Dale, A., E.J. Hanson, D.E. Yarborough, R.J. McNicol, E.J. Stang, R. Brennan, J.R. Morris, G.B. Hergert; Mechanical Harvesting of Berry Crops; pgs. VI:328-348; 1994; *****
	CI	*Davidson, D; Pride and tradition in hand pruning, but mechanization here to stay.; pgs. 330:32-34; 1991; Aust. Grapegrower and Winemaker.
	CJ	*Di Collalto, G. and P.L. Pisani; The present situation and prospects for the integral mechanization of espalier grapevines; pgs. 10:0, 19-24; 1983; VigneVini.
	CK	*Elia, P.; Mechanization in vineyards. Part 3.3. Winter pruning and the handling of prunings; pgs. 10:41-54; 1986; Quaderni della Scuola di Specializzazione in Viticoltura ed Enologia.
	CL	*Elia, P., R. Meinardi; The study and design of an automatic non-straddling shoot positioner; pgs. 45(14):97-104; 1989; Informatore Agrario.
QJ	CM	*Elia, P.; Mechanization in vineyards. Part 3.4. Mechanical treatment of vines during the growing season.; pgs. 10:55-66; 1986; Quaderni della Scuola di Specializzazione in Viticoltura ed Enologia.



Q/H	CN	*Flanigin, S.; Studying the Vine; pg E10; 1996; Northwest Arkansas Times, Sunday, August 11
	CO	*Freeman, B.M. and B.R. Cullis; Effect of hedge shape for mechanical pruning of vinifera vines; pgs. 32:21-25; 1981; Amer. J. Enol. Vitic.
	CP	*Freeman, B.M.; Experiments on vine hedging for mechanical pruning; pgs. 261-263; 1980; In: UCD Grape and Wine Centennial Symposium Proc., Univ. Calif., Davis.
	CQ	*Gallagher; Advertisement - Gallagher Leaf Remover; pg. 56; 1996; The Australian Grapegrower & Winemaker, July
	CR	*Gil Sierra, J. and J. Ortiz-Cañavate; Mechanization experience with pruning and harvesting in trained vineyards; pgs. 293-298; 1988; Asociacion Nacional de Ingenieros Agrónomos, Zangosa, Spain.
	CS	*Hollick, R.R.; Mechanical pruning of vines in Australia; pgs. 264-265; 1980; In: UCD Grape and Wine Centennial Symposium Proc., Univ. Calif., Davis.
	CT	*Intrieri, C., O. Silvestroni, S. Poni, and I. Filipetti; Productivity and profitability in vineyards with various levels of mechanization and at different planting densities; pgs. 17:10, 53-58, 1990; VigneVini.
	CU	*Intrieri, C. and B. Marangoni; The alternate "up-down" mechanical pruning system: Experiments on vines GDC trained (<i>V. vinifera</i> cv. Montuni); pgs. 266-269; 1980; In: UCD Grape and Wine Centennial Symposium Proc., Univ. Calif., Davis.
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	CX	*Ludvigsen, R.K.; Vine training a key to future economic success of a vineyard.; pgs. 318:15-24; 1990; Aust. Grapegrower and Winemaker.
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	CZ	*Magriso, Yu. and A. Pavlov; Possibilities of mechanical pruning of ripe grapevine wood; pgs. 25(7):81-85; 1988; Rasteniev "dni Nauki."
	DA	*Morris, J.R., C.A. Sims, J.E. Bourque, and J.L. Oakes; Effects of Training and Pruning Systems on Yield of French-American Hybrid Wine Grapes; pg. 7; 1984; Arkansas Farm Research, January-February.
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	DC	*Morris, J.R. and D.L. Cawthon; Yield and Quality Response of 'Concord' Grapes to Training Systems and Pruning Severity in Arkansas; pgs. 307-310; 1980; J. Amer. Soc. Hort. Sci. 105(3).
Q/H	DD	*Morris, J.R.; Approaches to More Efficient Vineyard Management; pgs. 20(6):1008-13; 1985; HortScience, Vol. 20(6), December.



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	DG	*Morris, and D.L. Cawthon; Response of 'Concord' Grapes to Training Systems and Pruning Severity; pg. 12; ****; Arkansas Farm Research.
	DH	*Morris, J.R. and D.L. Cawthon; Mechanical Trimming and Node Adjustment of Cordon-Trained 'Concord' Grapevines; pgs. 310-313; 1980; J. Amer. Soc. Hort. Sci. 105(3)
	DI	*Morris, J.R., D.L. Cawthon, and J.W. Fleming; Effect of mechanical pruning on yield and quality of 'Concord' grapes; pgs.24(3):12; 1975; Ark. Farm Res.
	DJ	*Morris, J.R., S.E. Spayd, and D.L. Cawthon; Effects of Irrigation, Pruning Severity and Nitrogen Levels on Yield and Juice Quality of Concord Grapes; pgs. 229-233; 1983; Am. J. Enol. Vitic., Vol. 34, No. 4.
	DK	*Morris, J.R.; Influence of Mechanical Harvesting on Quality of Small Fruits and Grapes; pgs. 412-417; 1983; HortScience 18(4), August.
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	DO	*Morris, J.R. and D.L. Cawthon; Yield and Quality Response of 'Concord' Grapes to Mechanized Vine Pruning; pg. 13; 1981; Arkansas Farm research, November-December.
	DP	*Morris, J.R. and D.L. Cawthon; Yield and Quality Response of 'Concord' Grapes (<i>Vitis labrusca</i> L.) to Mechanized Vine Pruning; pgs. 32:280-282; 1981; Amer. J. Enol. Vitic.
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	DR	*Morris, J.R., J.W. Fleming, R.H. Benedict, and D.R. McCaskill; Maintaining Juice Quality of Concord Grapes Harvested Mechanically; pg. *****; *****; Arkansas Farm Research volume XXII, no. 1, January-February.
	DS	*Morris, J.R.; Fruit and Vegetable Harvest Mechanization; pgs. 97-101; 1990; Food Technology, February.
	DT	*Nikiforova, L.T., N.L. Semelyanskii, F.T. Pavlovoi, and I.I. Gridasov; Mechanized pruning and the productivity of high-stem grapevines; pgs. 2:37-39; 1990; Sadovodstvo i Vinogradarstvo.
	DU	*Pavlov, A.; Mechanized pruning of mature wood in grapevines; pgs. 24(12):103-06; 1987; Rasteniev "dni Nauki.

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DV	*Peikov, V., V. Y. Karapetkov , and A. Georgiev; Mechanized pruning of the green parts of the grapevines; pgs. 24(2):21-29; 1987; Selskostopanska Tehnika.
DW	*Petrucci, V.E., C.D. Clary, and M. O'Brien; Grape harvesting systems; pgs. 525-574; 1983; In: M. O'Brien, B.F. Cargill, and R.B. Fridley (eds.). Principles and practices for harvesting and handling fruits and nuts. AVI Pub., Westport, Conn.
DX	*Pollock, J.G., E.S. Shepardson, N.J. Shaulis, and D.E. Crowe; Mechanical pruning of American hybrid grapevines; pgs. 20:817-821; 1977; Trans. Amer. Soc. Agr. Eng.
DY	*Poni, S. and P. Argnani; Mechanical pruners for vineyards; pgs. 15(10):33-40; 1981; Vignevedi.
DZ	*Pool, R.M., R.E. Dunst, D.C. Crowe, H. Hubbard, G.E. Howard, and G. DeGolier.; Predicting and Controlling Crop on Machine or Minimal Pruned Grapevines; pgs. - all-; 1993; Proceedings of the 2nd N.J. Shaulis Grape Symposium. Fredonia State University. Fredonia, NY. July 13-14, 1993.
EA	*Pool, R.M., D. Crowe, and R. Dunst; The Use of Combined Mechanical and Minimal Pruning and Mechanical Thinning in New York Production Systems; pgs. -all-; 1988; Presented at 2nd Int. Seminar on Mechanical Pruning of Vineyards. Treviso, Italy. Feb. 1988.
EB	*Pool, R.M.; Thin Grapes Mechanically; pgs. 107(10):17-19; 1987; Amer. Fruitgrower.
EC	*Pool, R.M., et al; Pruning Mechanism and Crop Control, Proceedings of the Second Nelson J. Shaulis Grape Symposium; pgs. i-iii, 1-68; 1993; New York State Agricultural Experiment Station, Cornell University, Geneva, New York 14456.
ED	*Sevila, F.; Vine growing: From Mechanization to Automation; pgs. 329:67-77; 1985; Bulletin d'Information du CEMAGREF.
EE	*Shaulis, N.J., J. Pollock, D. Crowe, and E.S. Shepardson; Mechanical Pruning of Grapevines; progress 1968-1972; pgs. 118:61-69; 1973; Proc. New York State Hort Sci.
EF	*Shaulis, N.J., E.S. Shepardson, and J.C. Moyer; Grape Harvesting Research at Cornell; pgs. 250-254; 1960; The New York State Horticultural Society Proceedings of the One Hundred and Fifth Annual Meeting.
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EH	*Smart, R.E.; Shoot Positioning - The Way of the Future; pgs. 331:30-32; 1991; Aust. Grapegrower and Winemaker.
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EK	*Spezia, G.; Automatic Secateurs For Winter Pruning in Vineyard; pgs. 16:27-29; 1989; Vignevedi.
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EN	*Vannucci, D.; Viticulture: Mechanization in 1983; pgs. 10:7, 8, 15-23; 1983; Vignevedi.



EO	*Vormandt, G. Pruning Is No game; pgs. 128:54-62; 1989; Viti.
EP	*Winkler, A.J., J.A. Cook, W.M. Kliewer, and L.A. Lider; General Viticulture; pgs. 710; 1974; Univ. Calif. Press. Berkeley.
EQ	*American Journal Enology Viticulture, Vol. 46, No. 1, 1995, Fig. 26.
ER	*American Journal Enology Viticulture, Vol. 46, No. 1, 1995, Figs. 7, 2, and text therefor.
ES	*U.R. Machinery Picking Head Sales Brochure.

EXAMINER:

DATE CONSIDERED: *4/5/02*

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